Exploring the Possibilities of Augmented Reality Navigation in SRM Campus

Welcome to the future of navigation! Augmented reality is revolutionizing the way we move around. In this presentation, we will explore the fascinating possibilities of AR and its applications. Join us on this journey!

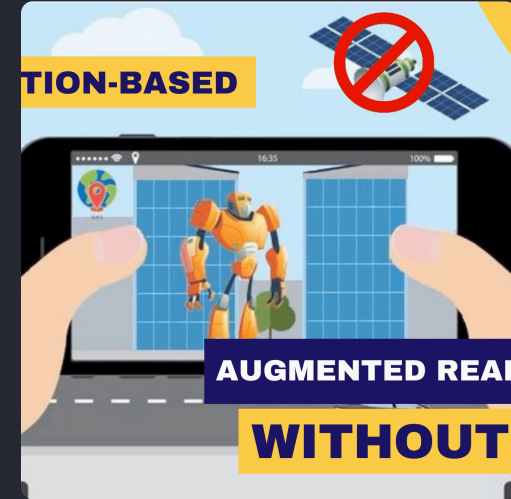# Introduction to Augmented Reality Navigation

What is AR Navigation?

AR Navigation uses computer-generated content to enhance and supplement our physical surroundings, providing real-time information about our environment.

The Evolution of Navigation
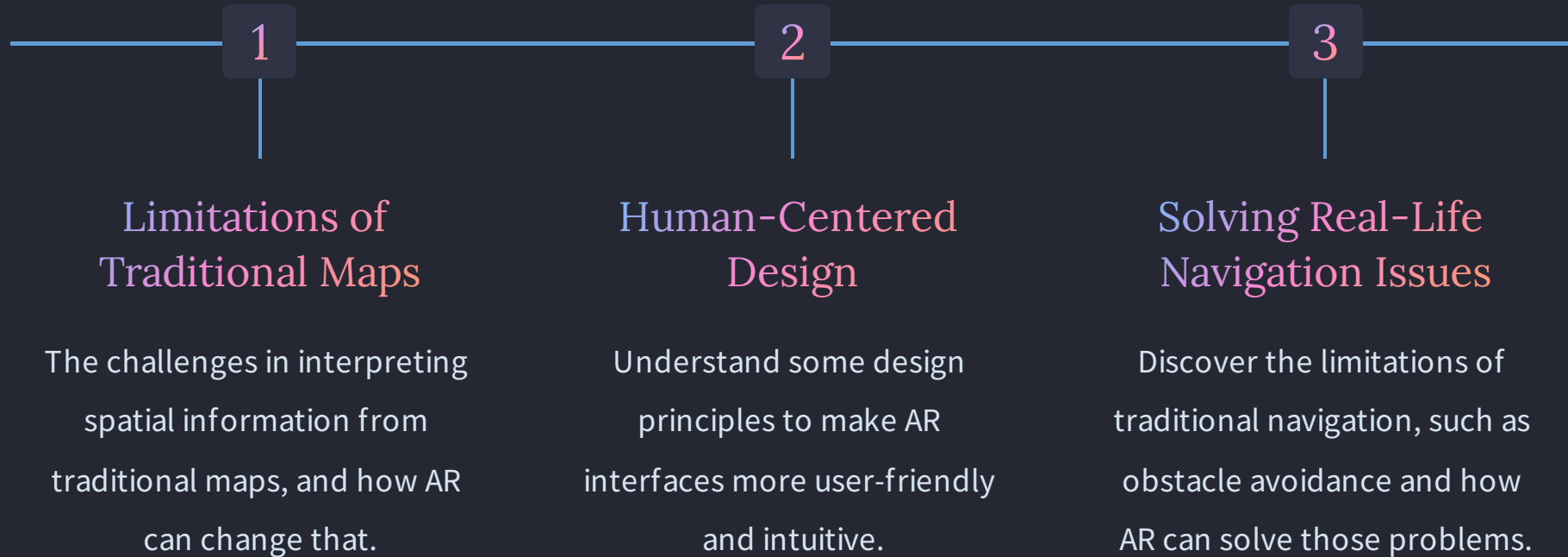
We will explore how navigation has evolved through history, from maps to GPS, to the latest AR Navigation technology.

The Future of AR Navigation

How AR Navigation will change our lives, from autonomous vehicles to smart campuses.

Insights into issues relating to current Maps

1

2

3

Limitations of Traditional Maps

The challenges in interpreting spatial information from traditional maps, and how AR can change that.

Human-Centered Design

Understand some design principles to make AR interfaces more user-friendly and intuitive.

Solving Real-Life Navigation Issues

Discover the limitations of traditional navigation, such as obstacle avoidance and how AR can solve those problems.

How Augmented Reality Navigation Works

Technology behind AR Navigation

An overview of how AR Navigation works technically, including hardware and software.

AR Navigation Tools and Resources

A list of the best tools and resources available for developing your own AR Navigation system.

Examples of AR Navigation Projects

We will present examples of successful AR Navigation projects and understand how they work.

Developing an AR Pedestrian GPS Mobile Application with Unity

Introduction to Unity

Unity is a widely-used game development engine that can also be leveraged to create AR applications.

Best Practices for Designing AR Apps

Recommendations and strategies for designing effective and engaging AR applications.

Tutorial: Creating an AR Pedestrian GPS

A comprehensive walkthrough of the process to develop an AR Pedestrian GPS app using Unity.

# Benefits of the AR Navigation App for SRM University

Improved Navigation

The AR Navigation app provides detailed directions and helps students and visitors find their way around the campus more easily. For example, the app can provide navigation from G.D Naidu Hall (main Campus) to Piere Fauchard Hostel (New Campus).

Enhanced Safety

The app uses augmented reality to help users navigate the campus more safely and avoid hazards such as construction sites and heavy traffic areas.
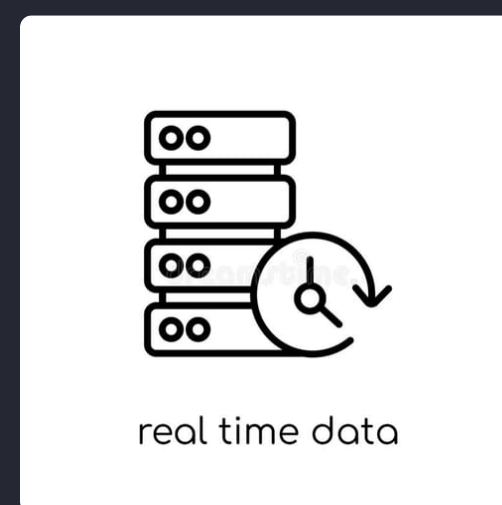
Real-Time Information

The app provides real-time information about events, class schedules, and other important updates, helping students stay informed and organized.

Benefits of Augmented Reality Navigation in Different Settings

1

Urban Navigation

How AR Navigation can improve navigation in crowded urban environments.

2

Outdoor Activities

Discover how AR Navigation can enhance outdoor leisure activities like walking , running, cycling etc

3

Indoor Navigation

The benefits of AR Navigation in indoor spaces such as navigating from one hall to another etc

4

Improved Navigation at SRM University

The AR Navigation app provides improved navigation on the SRM University campus, including directions from G.D Naidu Hall to Piere Fauchard Hostel.

Meet the Team

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